

Pultruded Rod

Technical Data



Typical Property	Test Method	Condition	Units	
Grade				Class H 180°
Mechanical				
Ultimate Tensile Strength	ASTM D-638	RT	PSI	70,000
Flexural Strength	ASTM D-790	RT	PSI	70,000
		100°C	PSI	35,000
		150°C	PSI	20,000
Flexural Modulus	ASTM D-790	RT	PSI	3 x 10 ⁶
		100°C	PSI	2.5 x 10 ⁶
		150°C	PSI	2.0 x 10 ⁶
Impact Strength	ASTM D-256	RT	Ft-lb/in notch	30
Compressive Strength				
Flatwise	ASTM D-695	RT	PSI	20,000
Lengthwise		RT	PSI	40,000
Electrical				
Electrical Strength	ASTM D-149	In Oil	VPM	300
Perpendicular (1/8 thick)				
Parallel		In Oil	KV/in	50
Power Factor 60 Hz	ASTM D-150			0.03
Dielectric Constant 60 Hz	ASTM D-150			5.0
Arc Resistance	ASTM D-495		Sec	120
Other				
Thermal Coefficient of Expansion	ASTM D-696		in/in/°F	3 x 10 ⁻⁶
Thermal Conductivity			BTU/hr/sq ft/in/°F	4
Weight Loss	200 hrs @ 150°C		%	0.17
	200 hrs @ 200°C		%	0.75
Extractables in Freon 22			%	0.19
Specific Gravity	ASTM D-792			1.95
Water Absorption	ASTM D-349	24 hrs	%	0.30
Color (standard)				Gray

The above data is based on results achieved in the test methods indicated and is provided for information purposes only.